

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071521\
 Data File : VN067763.D
 Acq On : 15 Jul 2021 14:44
 Operator : JC/MD
 Sample : M3059-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 210714107-02-VOA

Manual Integrations
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MMDadoda
 7/16/2021 10:40:27 AM

Quant Time: Jul 16 03:01:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 14 01:19:19 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.656	128	79552	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	437128	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	406848	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	194823	30.313	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.033%			
60) 4-Bromofluorobenzene	12.733	95	190414	28.819	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.067%			
63) Toluene-d8	10.443	98	549168	29.347	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.833%			
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.816	74	5097m	1.869	ug/l	
15) Acetone	4.291	58	7570	13.185	ug/l	91
23) tert-Butyl Alcohol	5.385	59	4263980	4994.648	ug/l #	100
24) Methyl tert-Butyl Ether	5.621	73	30773	1.931	ug/l #	64
34) Benzene	8.461	78	39300	1.917	ug/l #	56
45) 1,4-Dioxane	9.571	88	9417m	106.663	ug/l	
58) 4-Methyl-2-Pentanone	10.333	43	62626	8.964	ug/l	97
62) Toluene	10.507	91	62215	2.600	ug/l	99
64) Chlorobenzene	11.771	112	9451	0.659	ug/l	99
66) Ethyl Benzene	11.846	91	26354	0.995	ug/l	95
67) m/p-Xylenes	11.950	106	46061	4.560	ug/l	99
68) o-Xylene	12.280	106	29849	2.994	ug/l	97
70) Isopropylbenzene	12.581	105	18248	0.709	ug/l	95
76) 1,3,5-Trimethylbenzene	13.061	105	14306	0.675	ug/l	97
80) 1,2,4-Trimethylbenzene	13.369	105	55830	2.654	ug/l #	81
82) p-Isopropyltoluene	13.618	119	74357	3.541	ug/l	98
84) 1,4-Dichlorobenzene	13.696	146	25542	2.374	ug/l	97
91) Naphthalene	15.507	128	107536	7.874	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

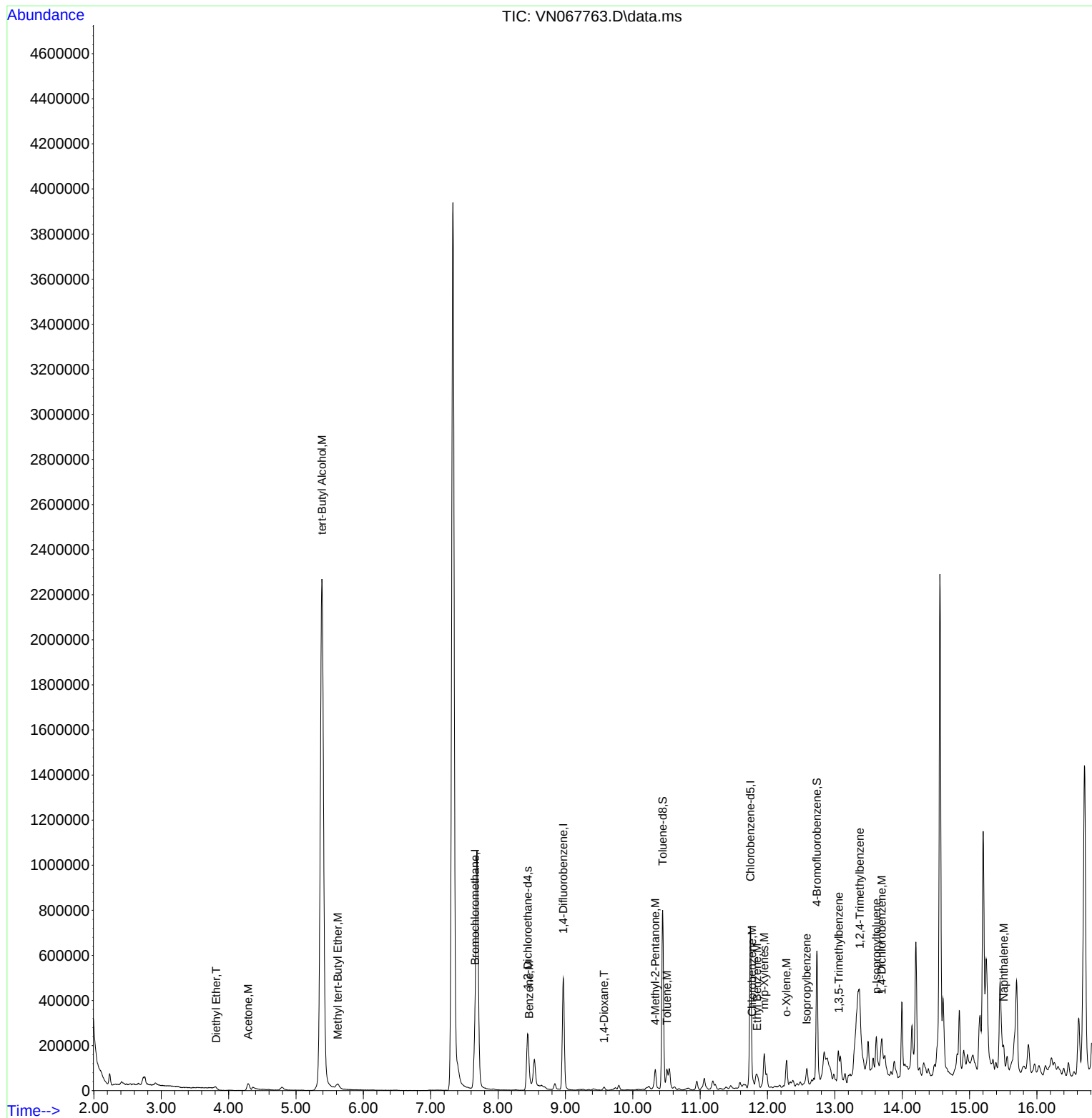
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Data File : VN067763.D
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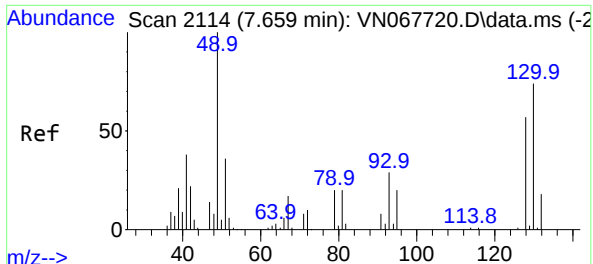
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Quant Time: Jul 16 03:01:52 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
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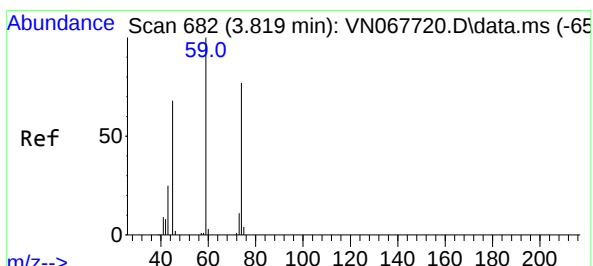
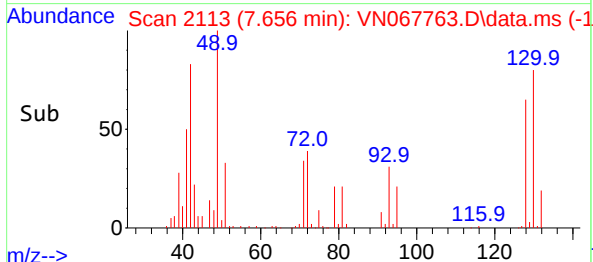
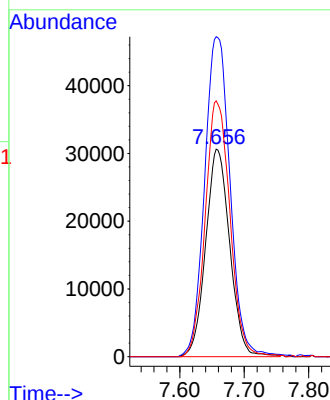
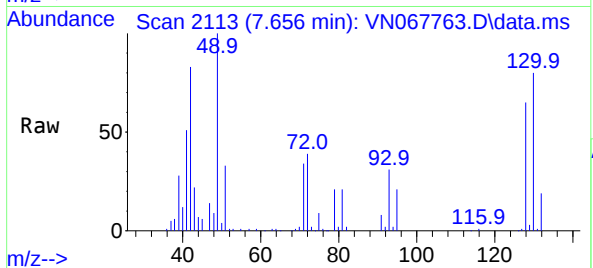
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.656 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VN067763.D
Acq: 15 Jul 2021 14:44

Tgt Ion: 128 Resp: 79552
Ion Ratio Lower Upper
128 100
49 161.1 0.0 433.0
130 126.1 0.0 323.8

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MSVOA_N
ClientSampleId :
210714107-02-VOA

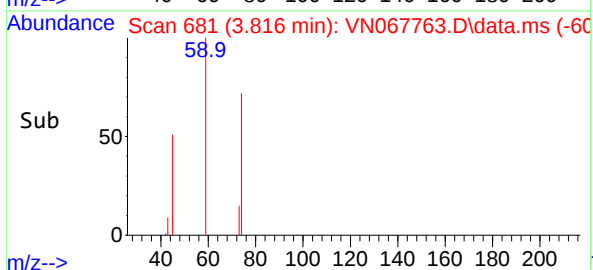
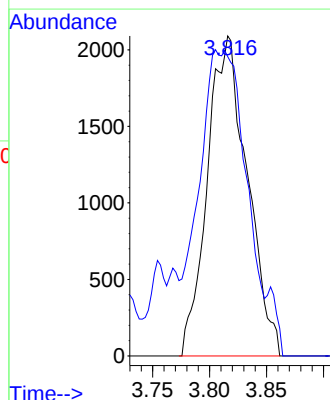
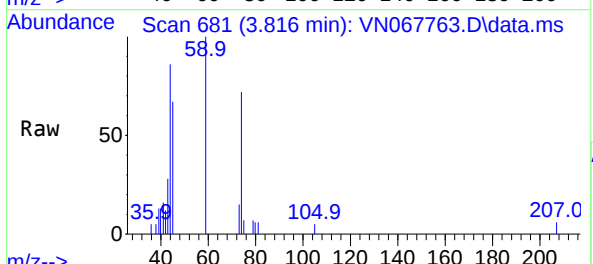
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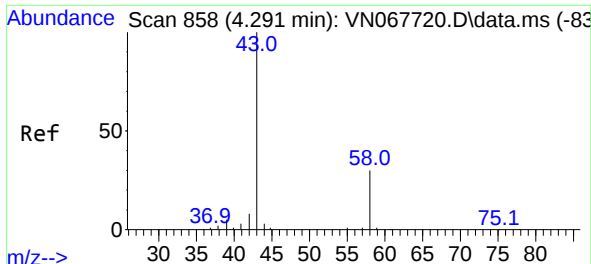
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7/16/2021 10:40:27 AM



#8
Diethyl Ether
Concen: 1.869 ug/l m
RT: 3.816 min Scan# 681
Delta R.T. -0.003 min
Lab File: VN067763.D
Acq: 15 Jul 2021 14:44

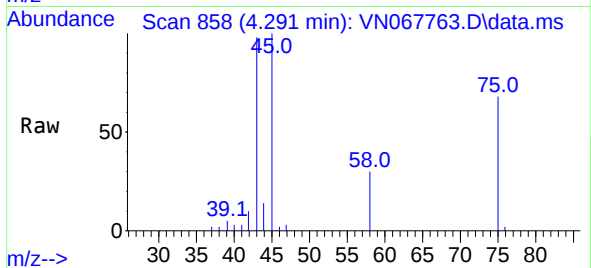
Tgt Ion: 74 Resp: 5097
Ion Ratio Lower Upper
74 100
45 35.4 17.5 157.1





#15
Acetone
Concen: 13.185 ug/l
RT: 4.291 min Scan# 858
Delta R.T. -0.000 min
Lab File: VN067763.D
Acq: 15 Jul 2021 14:44

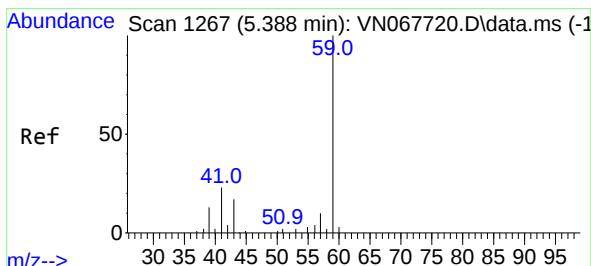
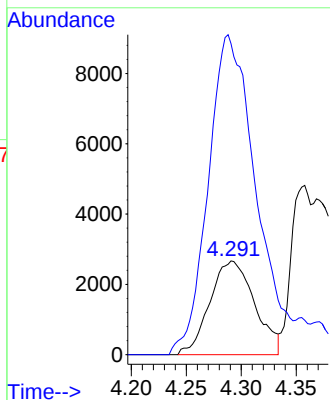
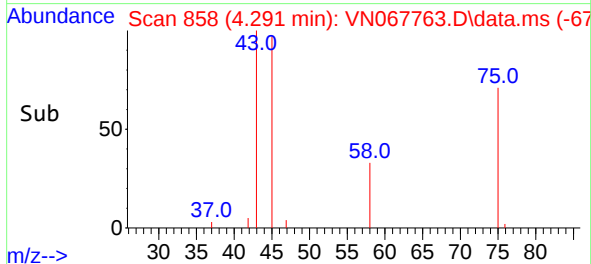
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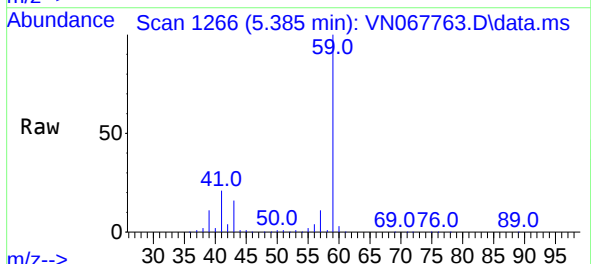
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Ion Ratio Lower Upper
58 100
43 317.2 268.2 402.4

Manual Integrations
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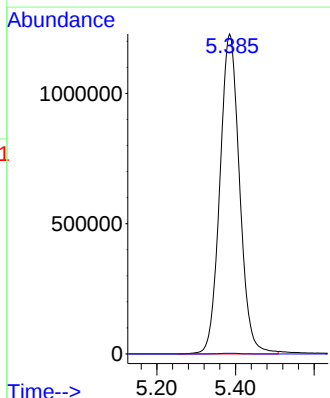
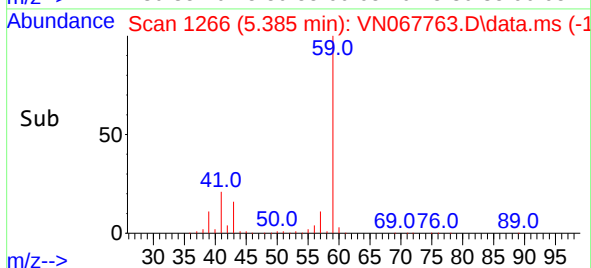
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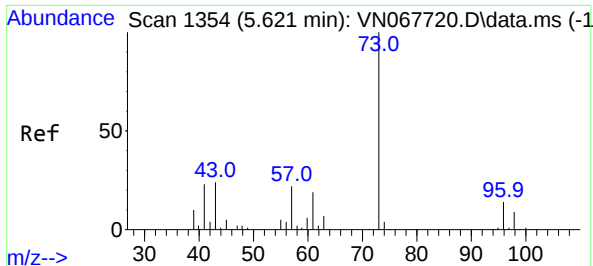


#23
tert-Butyl Alcohol
Concen: 4994.648 ug/l
RT: 5.385 min Scan# 1266
Delta R.T. -0.003 min
Lab File: VN067763.D
Acq: 15 Jul 2021 14:44



Tgt Ion: 59 Resp: 4263980
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0#





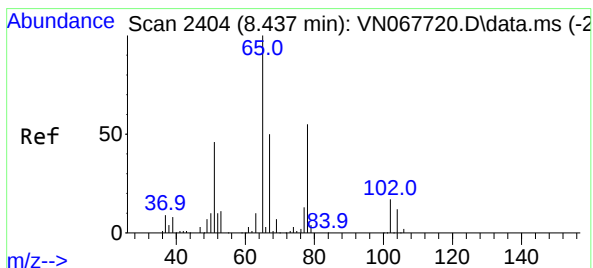
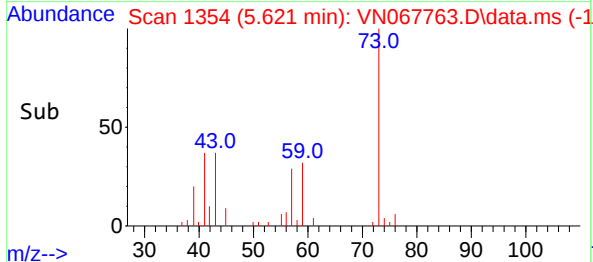
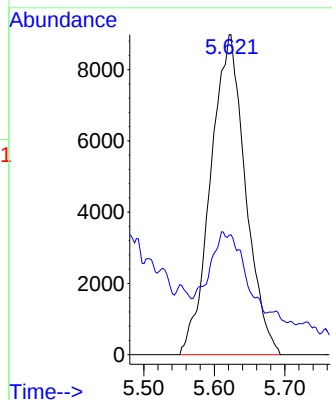
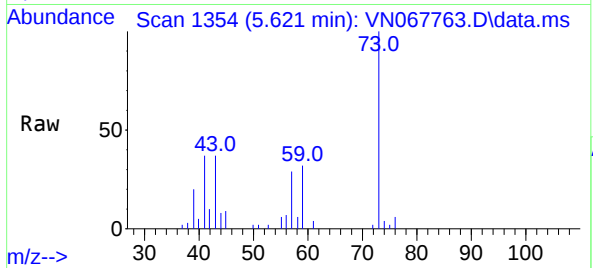
#24
Methyl tert-Butyl Ether
Concen: 1.931 ug/l
RT: 5.621 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VN067763.D
Acq: 15 Jul 2021 14:44

Tgt Ion: 73 Resp: 30773
Ion Ratio Lower Upper
73 100
43 5.8 18.6 27.8#

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MSVOA_N
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210714107-02-VOA

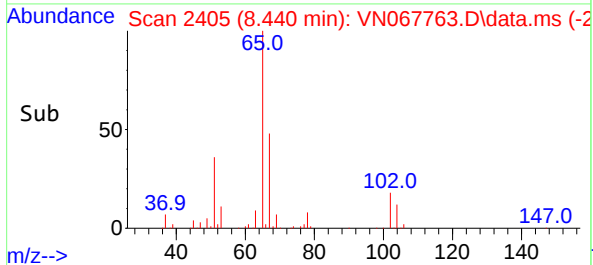
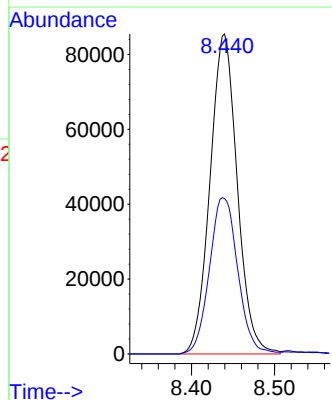
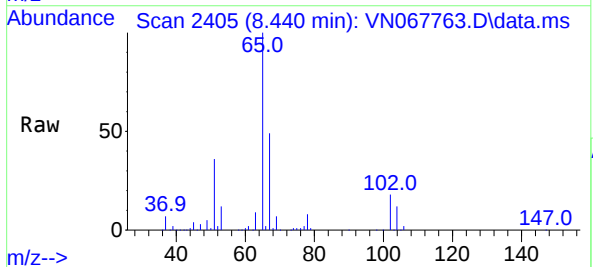
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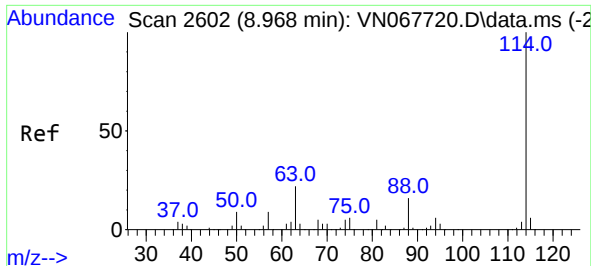
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7/16/2021 10:40:27 AM



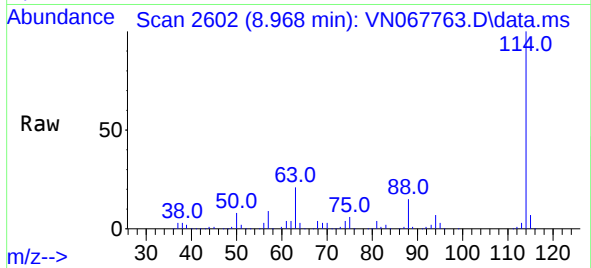
#27
1,2-Dichloroethane-d4
Concen: 30.313 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN067763.D
Acq: 15 Jul 2021 14:44

Tgt Ion: 65 Resp: 194823
Ion Ratio Lower Upper
65 100
67 50.8 40.6 60.8

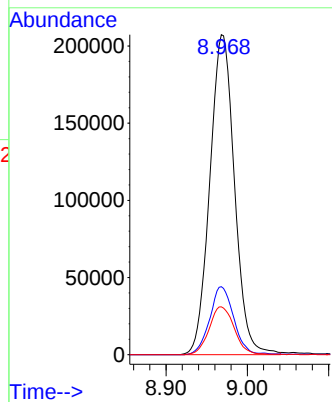
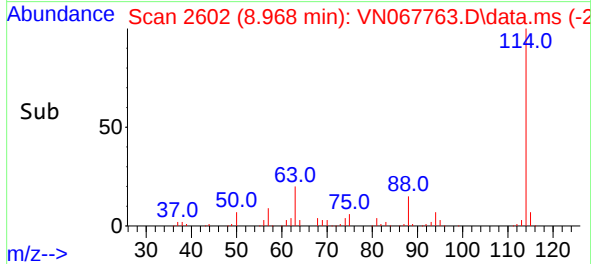




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN067763.D
Acq: 15 Jul 2021 14:44



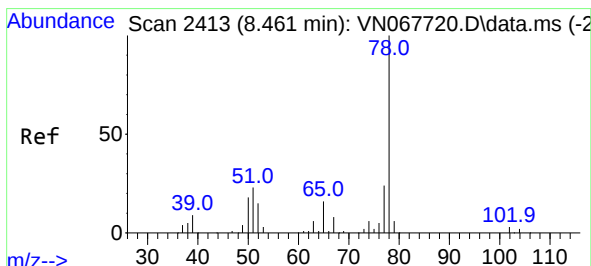
Tgt Ion: 114 Resp: 437128
Ion Ratio Lower Upper
114 100
63 20.6 17.2 25.8
88 15.2 12.4 18.6



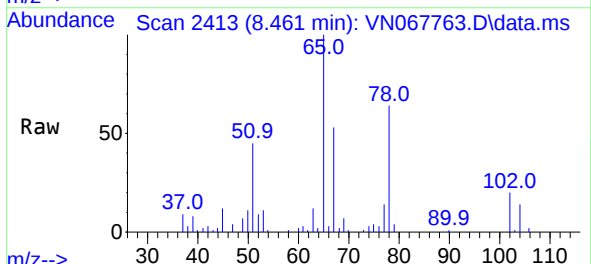
Instrument :
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Manual Integrations
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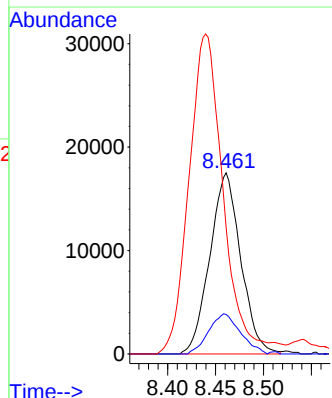
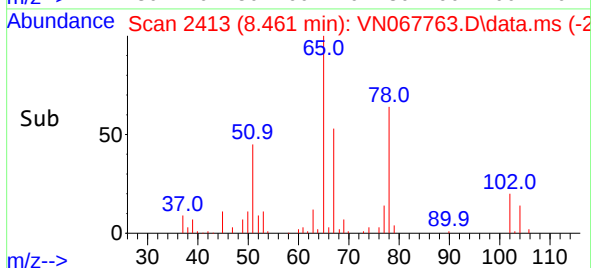
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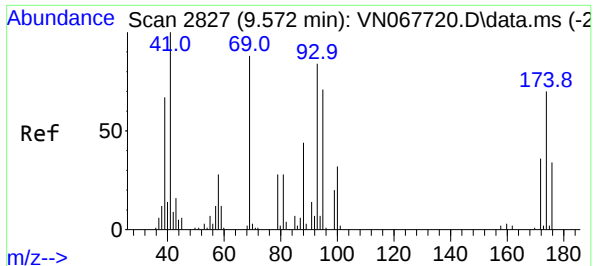


#34
Benzene
Concen: 1.917 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. -0.000 min
Lab File: VN067763.D
Acq: 15 Jul 2021 14:44



Tgt Ion: 78 Resp: 39300
Ion Ratio Lower Upper
78 100
77 21.8 19.1 28.7
51 64.4 18.2 27.4#





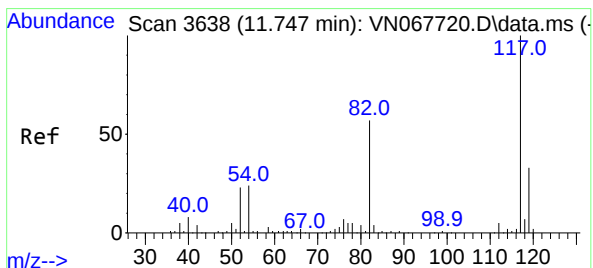
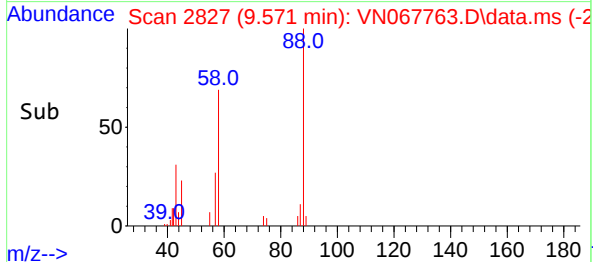
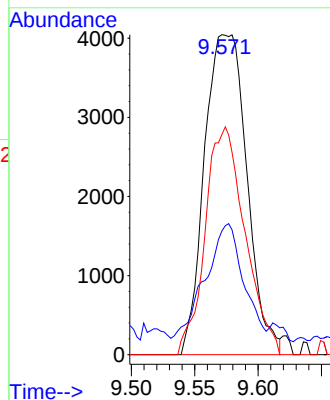
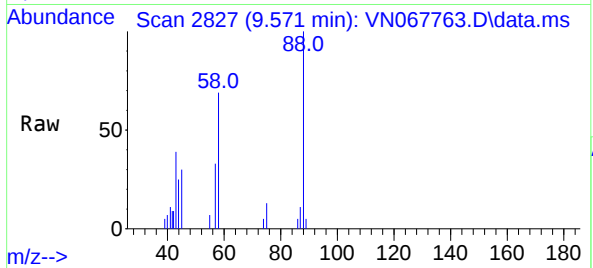
#45
1,4-Dioxane
Concen: 106.663 ug/l m
RT: 9.571 min Scan# 2827
Delta R.T. -0.000 min
Lab File: VN067763.D
Acq: 15 Jul 2021 14:44

Tgt Ion: 88 Resp: 9417
Ion Ratio Lower Upper
88 100
43 31.5 26.9 40.3
58 66.8 52.2 78.4

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210714107-02-VOA

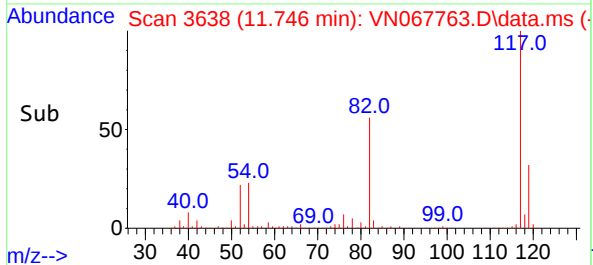
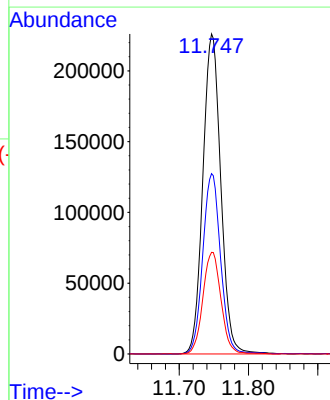
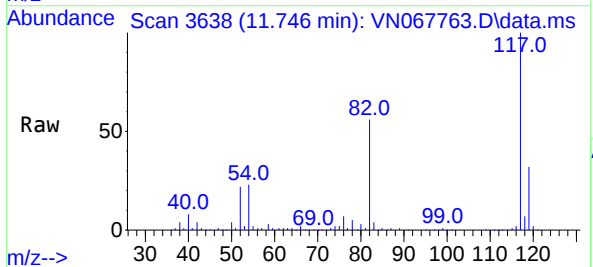
Manual Integrations
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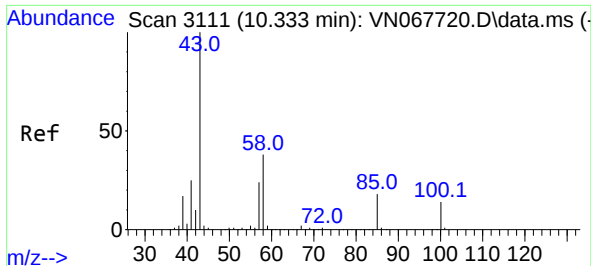
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7/16/2021 10:40:27 AM



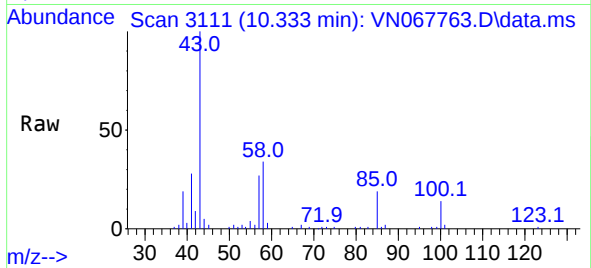
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN067763.D
Acq: 15 Jul 2021 14:44

Tgt Ion: 117 Resp: 406848
Ion Ratio Lower Upper
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82 55.9 45.4 68.0
119 31.9 25.7 38.5

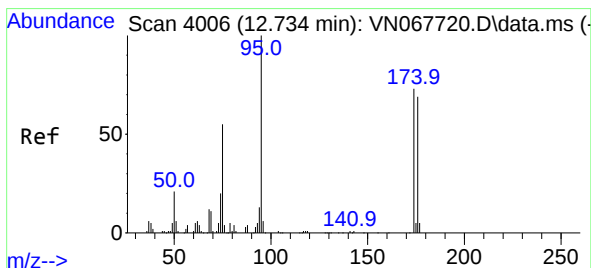
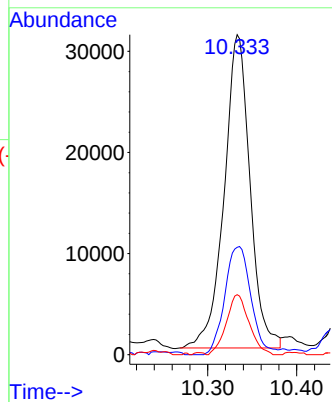
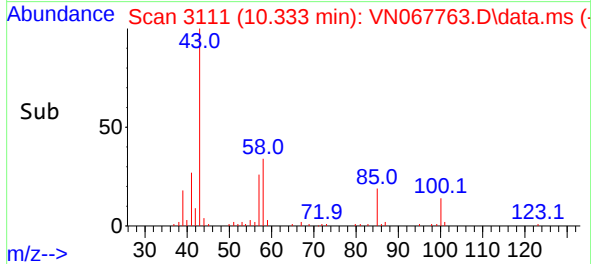




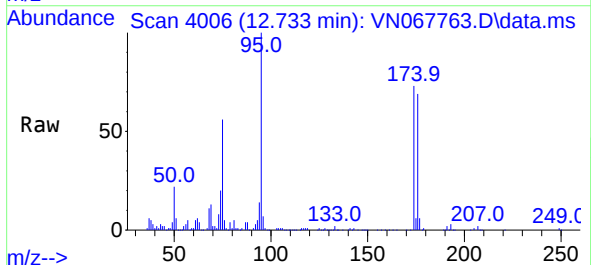
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4-Methyl-2-Pentanone
Concen: 8.964 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. -0.000 min
Lab File: VN067763.D
Acq: 15 Jul 2021 14:44



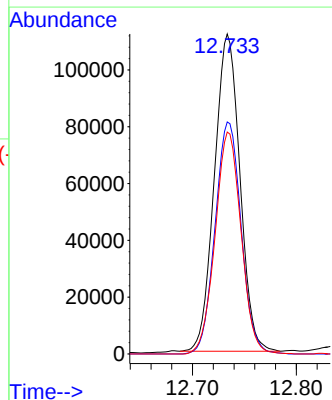
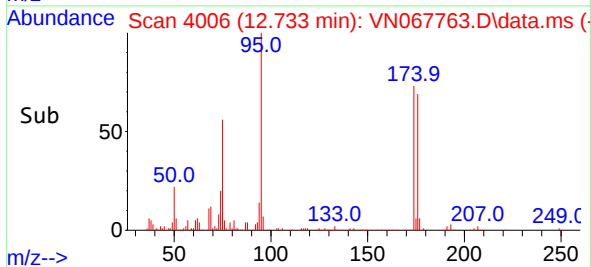
Tgt Ion: 43 Resp: 62626
Ion Ratio Lower Upper
43 100
58 34.9 29.9 44.9
85 16.9 14.1 21.1



#60
4-Bromofluorobenzene
Concen: 28.819 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN067763.D
Acq: 15 Jul 2021 14:44



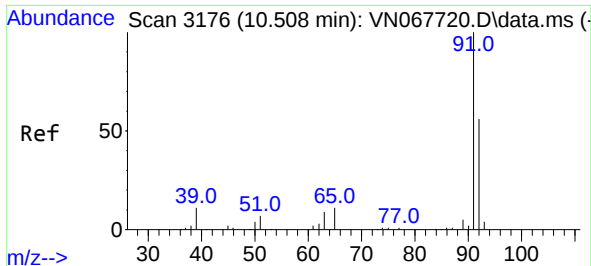
Tgt Ion: 95 Resp: 190414
Ion Ratio Lower Upper
95 100
174 74.8 57.1 85.7
176 71.2 54.6 81.8



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7/16/2021 10:40:27 AM



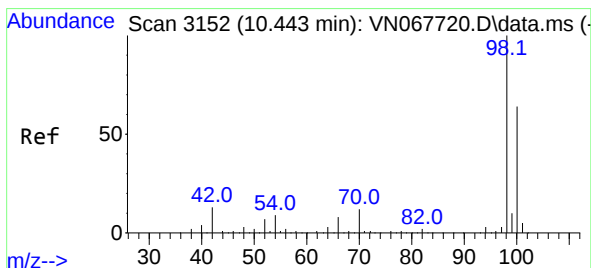
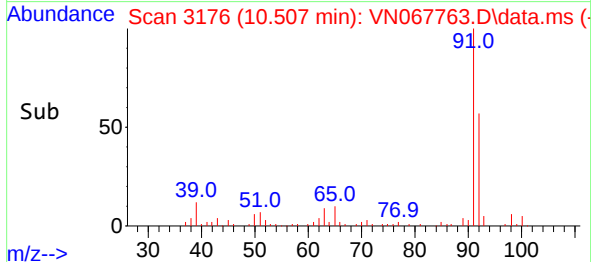
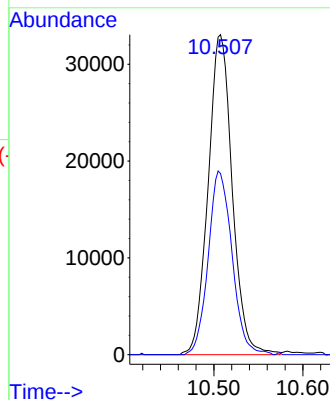
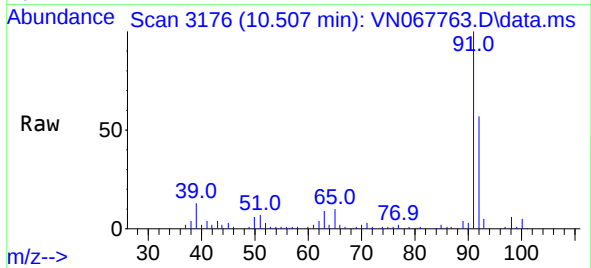
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Toluene
Concen: 2.600 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. -0.000 min
Lab File: VN067763.D
Acq: 15 Jul 2021 14:44

Tgt Ion: 91 Resp: 62215
Ion Ratio Lower Upper
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92 56.4 44.8 67.2

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210714107-02-VOA

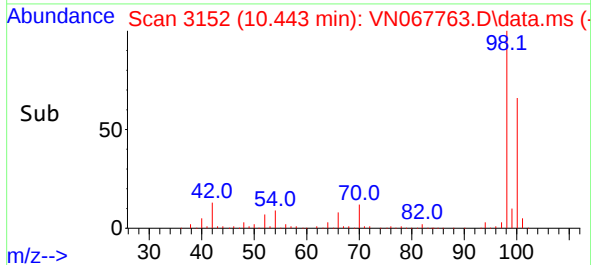
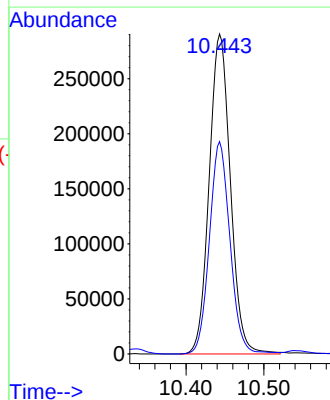
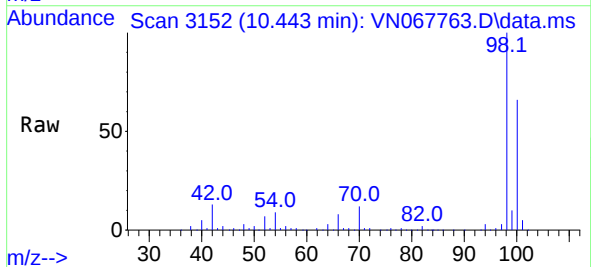
Manual Integrations
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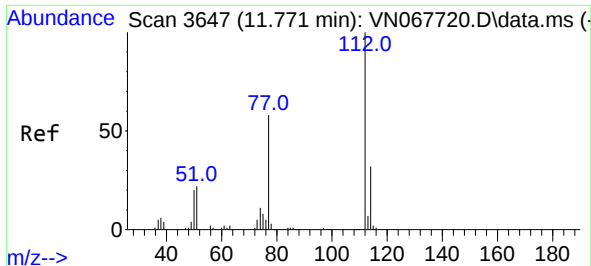
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7/16/2021 10:40:27 AM



#63
Toluene-d8
Concen: 29.347 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN067763.D
Acq: 15 Jul 2021 14:44

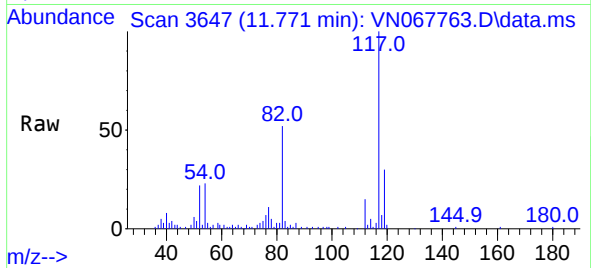
Tgt Ion: 98 Resp: 549168
Ion Ratio Lower Upper
98 100
100 64.4 51.0 76.4





#64
Chlorobenzene
Concen: 0.659 ug/l
RT: 11.771 min Scan# 3647
Delta R.T. -0.000 min
Lab File: VN067763.D
Acq: 15 Jul 2021 14:44

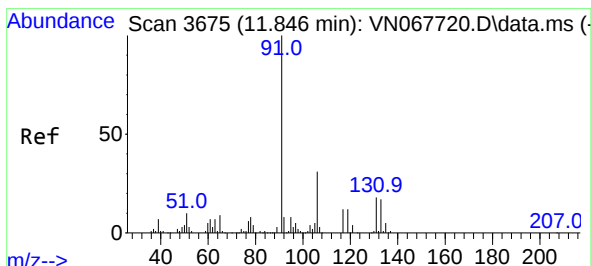
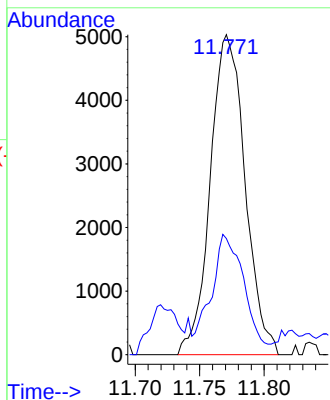
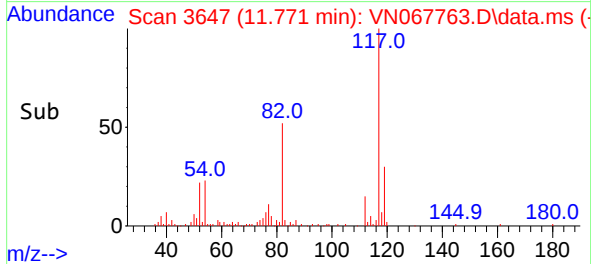
Instrument :
MSVOA_N
ClientSampleId :
210714107-02-VOA



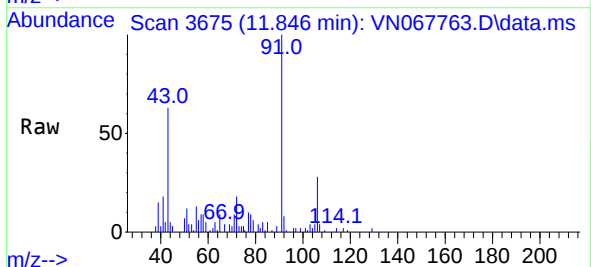
Tgt Ion:112 Resp: 9451
Ion Ratio Lower Upper
112 100
114 32.3 25.2 37.8

Manual Integrations
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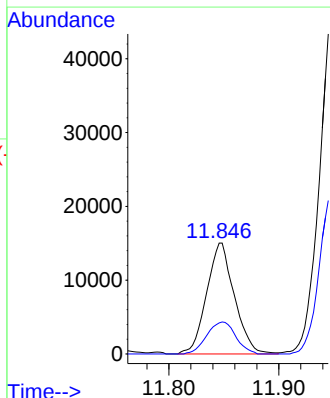
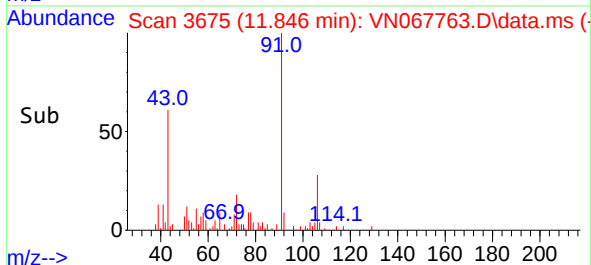
MMDadoda
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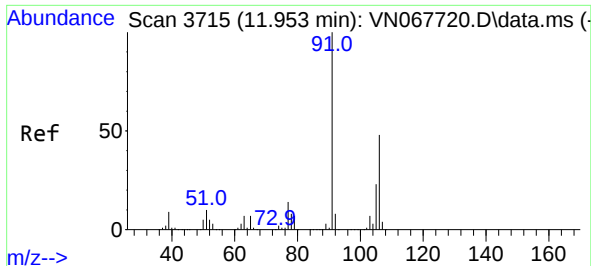


#66
Ethyl Benzene
Concen: 0.995 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. -0.000 min
Lab File: VN067763.D
Acq: 15 Jul 2021 14:44



Tgt Ion: 91 Resp: 26354
Ion Ratio Lower Upper
91 100
106 28.0 24.6 37.0





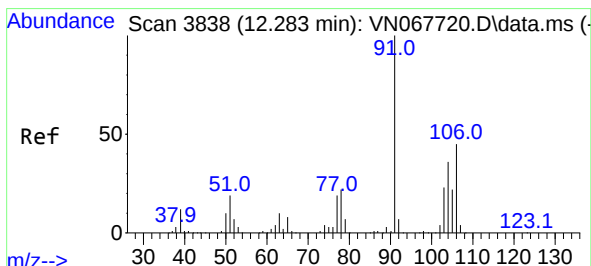
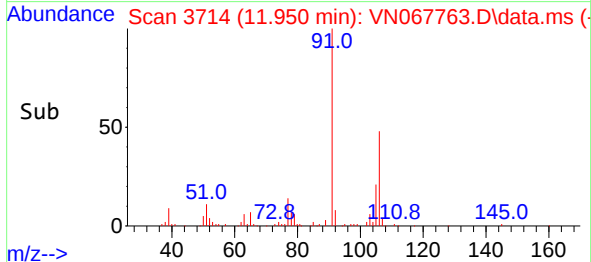
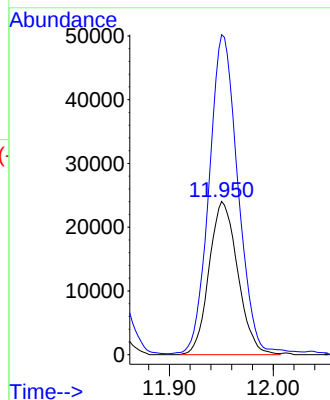
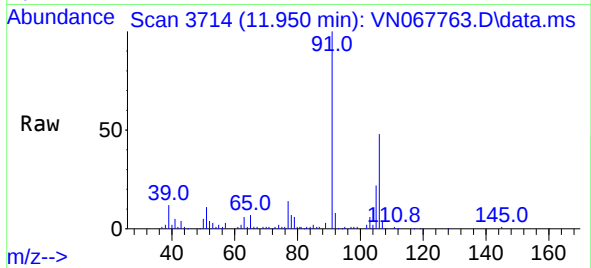
#67
m/p-Xylenes
Concen: 4.560 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. -0.003 min
Lab File: VN067763.D
Acq: 15 Jul 2021 14:44

Tgt Ion:106 Resp: 46061
Ion Ratio Lower Upper
106 100
91 210.0 166.6 250.0

Instrument :
MSVOA_N
ClientSampleId :
210714107-02-VOA

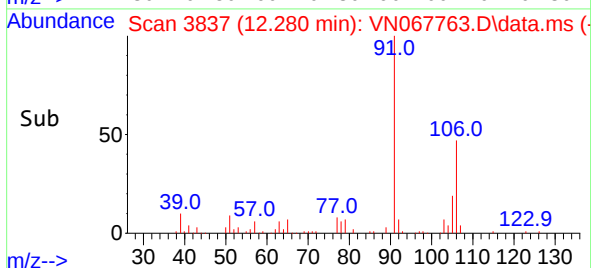
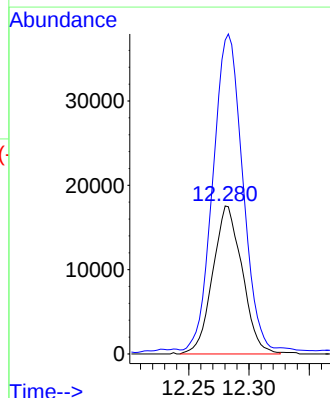
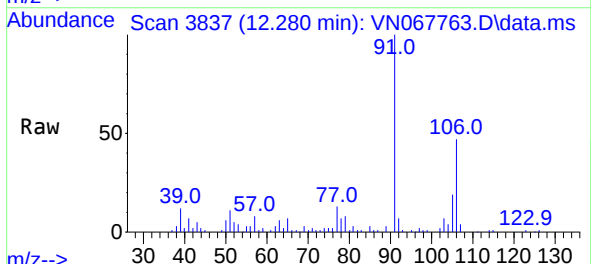
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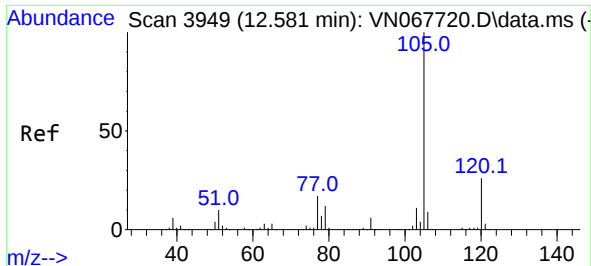
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#68
o-Xylene
Concen: 2.994 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN067763.D
Acq: 15 Jul 2021 14:44

Tgt Ion:106 Resp: 29849
Ion Ratio Lower Upper
106 100
91 213.6 109.6 328.8





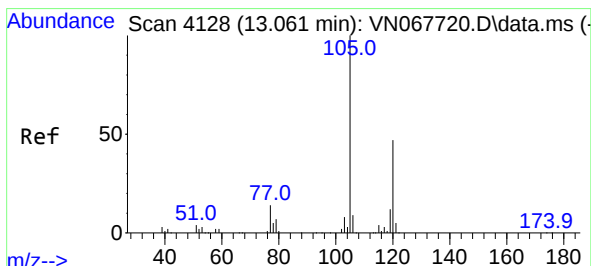
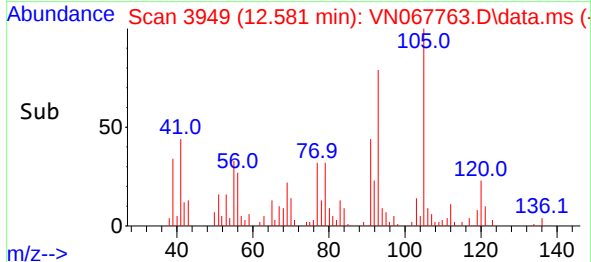
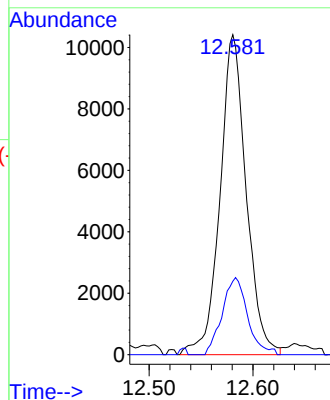
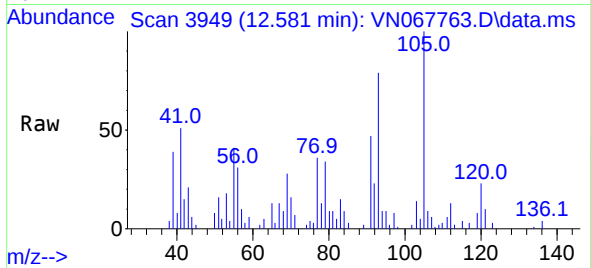
#70
Isopropylbenzene
Concen: 0.709 ug/l
RT: 12.581 min Scan# 3949
Delta R.T. -0.000 min
Lab File: VN067763.D
Acq: 15 Jul 2021 14:44

Tgt Ion:105 Resp: 18248
Ion Ratio Lower Upper
105 100
120 23.0 17.9 33.3

Instrument :
MSVOA_N
ClientSampleId :
210714107-02-VOA

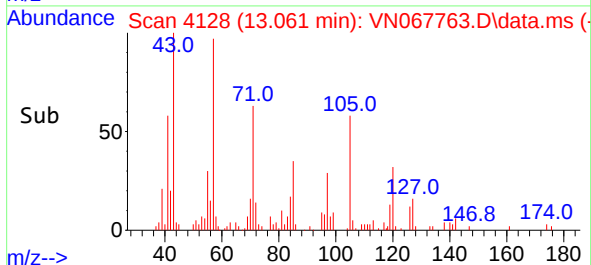
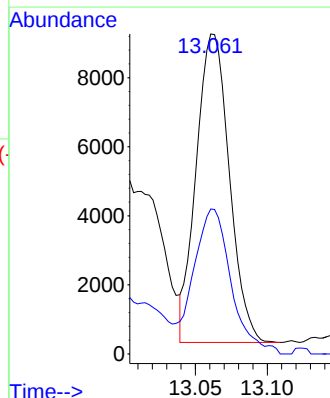
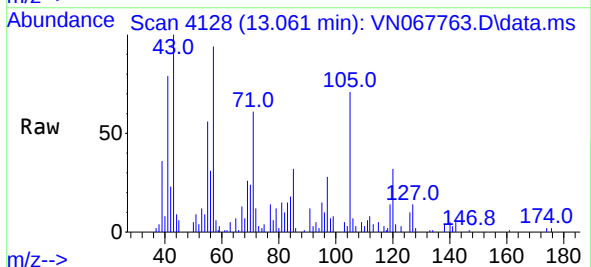
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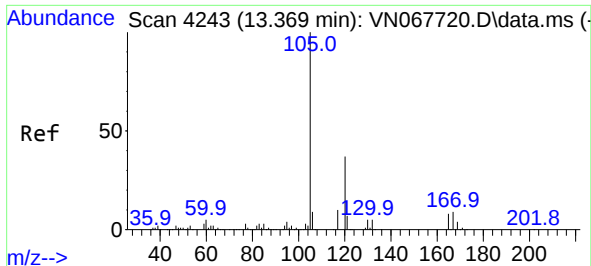
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#76
1,3,5-Trimethylbenzene
Concen: 0.675 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. -0.000 min
Lab File: VN067763.D
Acq: 15 Jul 2021 14:44

Tgt Ion:105 Resp: 14306
Ion Ratio Lower Upper
105 100
120 46.0 0.0 96.2





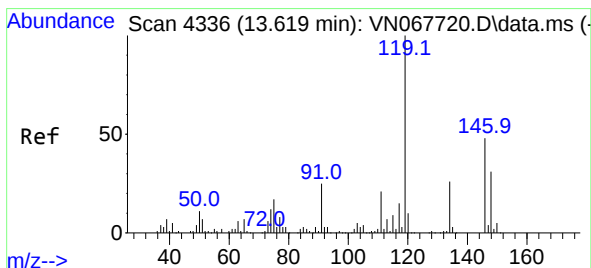
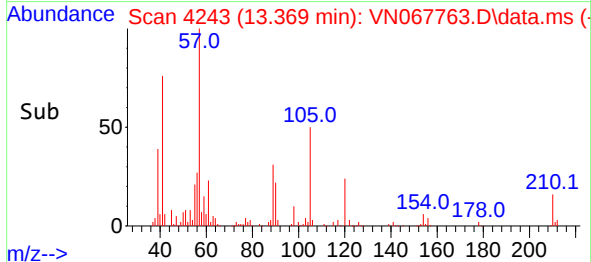
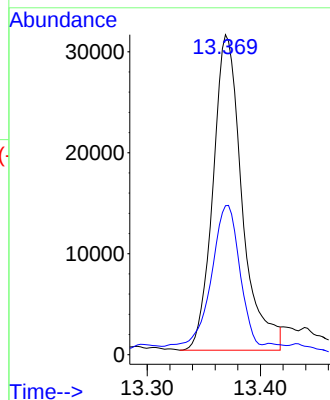
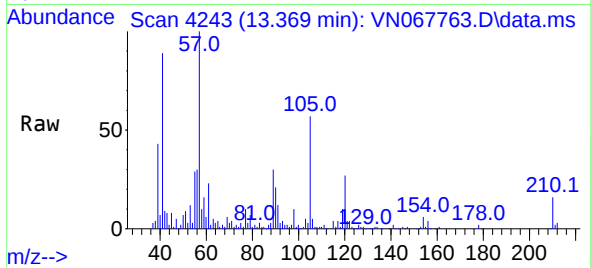
#80
1,2,4-Trimethylbenzene
Concen: 2.654 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. -0.000 min
Lab File: VN067763.D
Acq: 15 Jul 2021 14:44

Tgt Ion:105 Resp: 55830
Ion Ratio Lower Upper
105 100
120 43.7 0.0 0.2#

Instrument :
MSVOA_N
ClientSampleId :
210714107-02-VOA

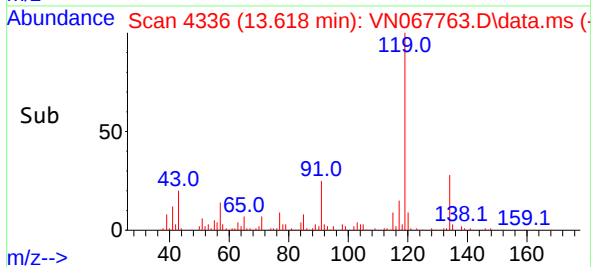
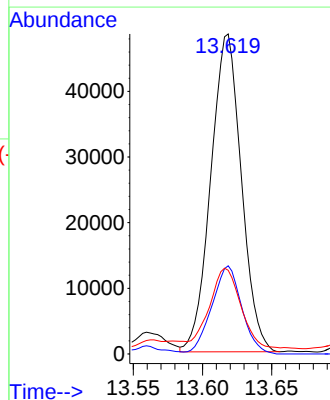
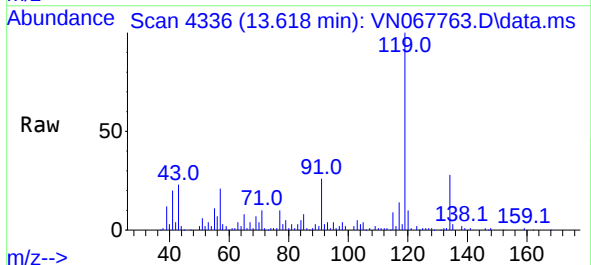
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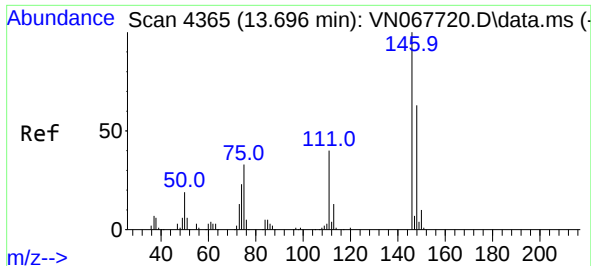
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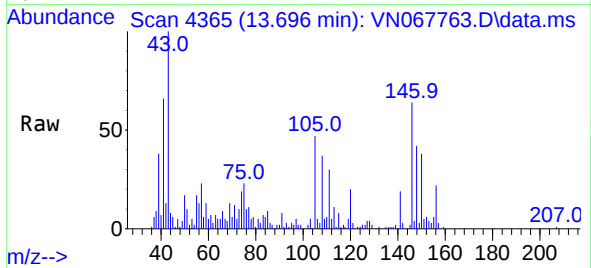
#82
p-Isopropyltoluene
Concen: 3.541 ug/l
RT: 13.618 min Scan# 4336
Delta R.T. -0.000 min
Lab File: VN067763.D
Acq: 15 Jul 2021 14:44

Tgt Ion:119 Resp: 74357
Ion Ratio Lower Upper
119 100
134 27.1 0.0 51.0
91 25.2 0.0 50.6

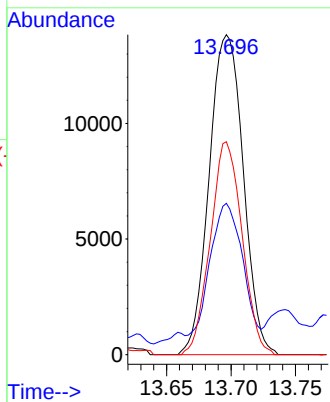
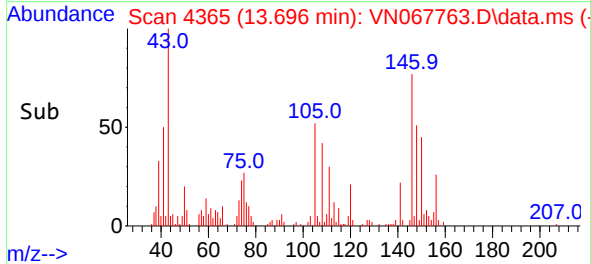




#84
1,4-Dichlorobenzene
Concen: 2.374 ug/l
RT: 13.696 min Scan# 4365
Delta R.T. -0.000 min
Lab File: VN067763.D
Acq: 15 Jul 2021 14:44



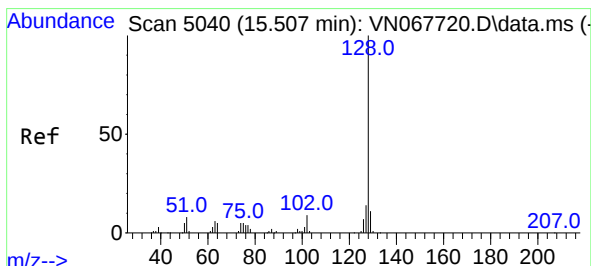
Tgt Ion:146 Resp: 25542
Ion Ratio Lower Upper
146 100
111 37.6 20.0 59.9
148 61.9 31.8 95.3



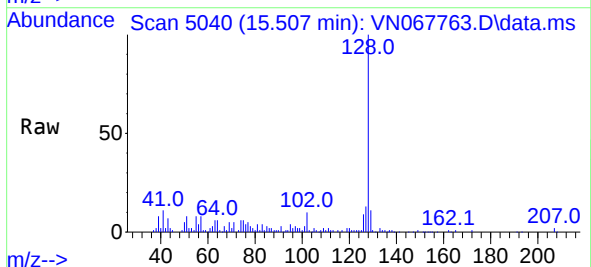
Instrument :
MSVOA_N
ClientSampleId :
210714107-02-VOA

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7/16/2021 10:40:27 AM



#91
Naphthalene
Concen: 7.874 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN067763.D
Acq: 15 Jul 2021 14:44



Tgt Ion:128 Resp: 107536
Ion Ratio Lower Upper
128 100
127 13.1 10.9 16.3
129 11.2 8.7 13.1

